

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	87	sivik.in. and organic acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/09/21 11:40
S2	2	sivik.in. and overbased near2 organic acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/09/25 11:01
S3	2	sivik.in. and overbased near5 organic acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/09/21 11:39
S4	7	sivik.in. and organic acid and dicarbonyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/09/21 11:41
S5	6	denis.in. and organic acid and dicarbonyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/09/21 11:42
S6	4	S5 not S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/09/21 11:41
S7	2	lubrizol.asn. and organic acid and dicarbonyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/09/21 11:43
S8	13	((("3461108") or ("3560455") or ("3560456") or ("3729451") or ("4560489") or ("4597880") or ("5308514") or ("5338467") or ("6300288"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 11:58

EAST Search History

S11	1	"20030176298"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/21 12:00
S12	1	"2004111163"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/21 12:00
S13	899	(organic acid or carboxylic acid or sulphonic acid or thiosulphonic acid) same overbased and (dicarbonyl or succinic acid or tartaric acid or muccic acid or citramalic acid or citric acid or isopropylmalic acid or gluconic acid or malic acid or oxalix acid or glutaric acid or adipic acid or pimelic acid or suberic acid)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/21 12:04
S14	274	(organic acid or carboxylic acid or sulphonic acid or thiosulphonic acid) same overbased and (dicarbonyl or succinic acid or tartaric acid or muccic acid or citramalic acid or citric acid or isopropylmalic acid or gluconic acid or malic acid or oxalix acid or glutaric acid or adipic acid or pimelic acid or suberic acid) and grease	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 11:34
S15	1	(organic acid or carboxylic acid or sulphonic acid or thiosulphonic acid) same overbased and (dicarbonyl or succinic acid or tartaric acid or muccic acid or citramalic acid or citric acid or isopropylmalic acid or gluconic acid or malic acid or oxalix acid or glutaric acid or adipic acid or pimelic acid or suberic acid) and grease and (organic acid or carboxylic acid or sulphonic acid or thiosulphonic acid) near5 dispersed near5 (calcium carbonate)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/21 12:05

EAST Search History

S16	1	(organic acid or carboxylic acid or sulphonic acid or thiosulphonic acid) same overbased and (dicarbonyl or succinic acid or tartaric acid or muccic acid or citramalic acid or citric acid or isopropylmalic acid or gluconic acid or malic acid or oxalix acid or glutaric acid or adipic acid or pimelic acid or suberic acid) and (organic acid or carboxylic acid or sulphonic acid or thiosulphonic acid) near5 dispersed near5 (calcium carbonate)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/21 12:06
S17	10	(organic acid or carboxylic acid or sulphonic acid or thiosulphonic acid) same overbased and (dicarbonyl or succinic acid or tartaric acid or muccic acid or citramalic acid or citric acid or isopropylmalic acid or gluconic acid or malic acid or oxalix acid or glutaric acid or adipic acid or pimelic acid or suberic acid) and (organic acid or carboxylic acid or sulphonic acid or thiosulphonic acid) same dispersed same (calcium carbonate)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/21 12:06
S18	12	(calcium sulphonate or calcium sulfonate) near9 overbased and (lubricate or lubricant or lubricating) and (copolymer or polymer) near9 dicarboxylic acid near5 anhydride	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 11:39
S19	1	calcium carbonate near9 colloiddally and (lubricate or lubricant or lubricating) and (copolymer or polymer) near9 dicarboxylic acid near5 anhydride	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 11:30
S20	1	calcium carbonate near9 dispersed and (lubricate or lubricant or lubricating) and (copolymer or polymer) near9 dicarboxylic acid near5 anhydride	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 11:30
S22	11	calcium carbonate and calcium near9 overbased near9 acid and (lubricate or lubricant or lubricating) and (copolymer or polymer) near9 dicarboxylic acid near5 anhydride	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 11:31
S23	8	(calcium sulphonate or calcium sulfonate) and (lubricate or lubricant or lubricating) and (succinic acid)	FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/09/25 11:36

EAST Search History

S24	322	(calcium sulphonate or calcium sulfonate) near9 overbased and (lubricate or lubricant or lubricating) and succinic acid	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 11:39
S25	102	(calcium sulphonate or calcium sulfonate) near9 overbased and (lubricate or lubricant or lubricating) and succinic acid and grease	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 11:39
S26	10	(calcium sulphonate or calcium sulfonate) near9 overbased and (calcium sulphonate or calcium sulfonate) near9 (colloidally or dispersed) and (lubricate or lubricant or lubricating) and succinic acid and grease	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 14:11
S27	16	(calcium sulphonate or calcium sulfonate) near9 overbased and (calcium sulphonate or calcium sulfonate) near9 (colloidally or dispersed) and (lubricate or lubricant or lubricating) and grease	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 14:11
S28	10	(calcium sulphonate or calcium sulfonate) near9 overbased and (calcium sulphonate or calcium sulfonate) near9 (colloidally or dispersed) and (lubricate or lubricant or lubricating) and succinic acid and grease	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 14:31
S29	6	S27 not S28	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 14:28
S30	5	acryloid 155-c	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 14:28
S31	3	(calcium sulphonate or calcium sulfonate) same overbased and (calcium sulphonate or calcium sulfonate) same (colloidally or dispersed) and (lubricate or lubricant or lubricating)	FPRS; EPO; JPO; DERWENT	ADJ	ON	2006/09/25 14:43
S33	21	(calcium sulphonate or calcium sulfonate) same overbased and (calcium sulphonate or calcium sulfonate) same (colloidally or dispersed) and (lubricate or lubricant or lubricating) and sulphuric acid	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 14:43

EAST Search History

S34	4	(calcium sulphonate or calcium sulfonate) same overbased and (calcium sulphonate or calcium sulfonate) same (colloidally or dispersed) and (lubricate or lubricant or lubricating) and sulphuric acid and grease	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 14:53
S35	4	(calcium sulphonate or calcium sulfonate) same overbased and (calcium sulphonate or calcium sulfonate) same (colloidally or dispersed) and (lubricate or lubricant or lubricating) and sulfuric acid and grease	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 15:54
S36	41015	functionalised	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/25 15:54
S37	10	grade "2" grease	USPAT	ADJ	ON	2006/09/27 12:42
S38	29	grease and (copolymer or polymer) near5 dicarboxylic acid near5 anhydride	USPAT	ADJ	ON	2006/09/27 13:24
S39	1	"5308514".pn.	USPAT	ADJ	ON	2006/09/27 13:28
S40	3	grease and (thickening or thickener) near7 acetic acid	USPAT	ADJ	ON	2006/09/27 13:46
S41	788	grease and (thickening or thickener) near7 wt	USPAT	ADJ	ON	2006/09/27 13:36
S42	0	grease and (thickening or thickener) near7 wt and grade S39	USPAT	ADJ	ON	2006/09/27 13:36
S43	358	grease and (thickening or thickener) near7 wt and sulfonate	USPAT	ADJ	ON	2006/09/27 13:38
S44	14	grease near7 sulfonate and (thickening or thickener) near7 wt	USPAT	ADJ	ON	2006/09/27 14:54
S45	2	grease and (thickening or thickener) near7 (boron or boric) acid	USPAT	ADJ	ON	2006/09/27 13:47
S46	14	grease and (thickening or thickener) near7 calcium near5 hydroxide	USPAT	ADJ	ON	2006/09/27 13:48
S47	2589	succinic acid near9 substituted	USPAT	ADJ	ON	2006/09/27 14:55
S48	348	succinic acid near7 substituted and grease	USPAT	ADJ	ON	2006/09/27 14:55
S49	305	succinic acid near7 substituted and grease and (lubricate or lubricant or lubricate)	USPAT	ADJ	ON	2006/09/27 15:22

EAST Search History

S50	15	succinic acid near7 substituted near7 (nonyl or decyl or undecyl or dodecyl or tridecyl or tetradecyl or hexadecyl or heptadecyl or octadecyl or octadecenyl or nonodecyl) and grease and (lubricate or lubricant or lubricate)	USPAT	ADJ	ON	2006/09/27 15:13
S51	38	succinic acid near7 (nonyl or decyl or undecyl or dodecyl or tridecyl or tetradecyl or hexadecyl or heptadecyl or octadecyl or octadecenyl or nonodecyl) and grease	USPAT	ADJ	ON	2006/09/27 15:13
S52	35	succinic acid near5 (nonyl or decyl or undecyl or dodecyl or tridecyl or tetradecyl or hexadecyl or heptadecyl or octadecyl or octadecenyl or nonodecyl) and grease	USPAT	ADJ	ON	2006/09/27 15:13
S53	299	succinic acid near5 substituted and grease and (lubricate or lubricant or lubricate)	USPAT	ADJ	ON	2006/09/27 15:23
S54	189	succinic acid near5 substituted and grease near3 composition and (lubricate or lubricant or lubricate)	USPAT	ADJ	ON	2006/09/27 15:38
S55	1	succinic acid near5 substituted near5 (properties or property or enhance) and grease	USPAT	ADJ	ON	2006/09/27 15:39
S56	27	succinic acid near5 substituted near5 (properties or property or enhance or useful) and grease	USPAT	ADJ	ON	2006/09/27 15:39